

|  |  |   |
|--|--|---|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |  | ATTORNEY'S DOCKET NUMBER<br>D0590.70034US01                         |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP03/14674  |  | INTERNATIONAL FILING DATE<br>19 December 2003 (19.12.2003)          |
| TITLE OF INVENTION<br>KINASE SEQUENCES USEFUL FOR DEVELOPING COMPOUNDS FOR THE<br>PREVENTION AND/OR TREATMENT OF METABOLIC DISEASES AND NUCLEOTIDE<br>SEQUENCES ENCODING SUCH KINASE SEQUENCES |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/540634</b> |
| APPLICANT(S) FOR DO/EO/US<br>DE WILDE, Gert Jules Hector   |  | PRIORITY DATE CLAIMED<br>23 December 2002 (23.12.2002)              |

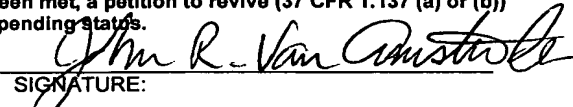
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: PCT Application with International Search Report; Sequence Listing paper copy on CD

Express Mail No: EV717498283US

|  |                                     |   |            |  |              |
|--|-------------------------------------|---|------------|--|--------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.52)<br><b>10/540634</b>   |                                     | INTERNATIONAL APPLICATION NO.<br>PCT/EP03/14674                               |            | ATTORNEY'S DOCKET NUMBER:<br>D0590.70034US01 |              |
| The following fees have been submitted   |                                     |   |            | CALCULATIONS                                 | PTO USE ONLY |
| 21.  | <input checked="" type="checkbox"/> | Basic national fee .....  | \$300      | \$ 300.00                                    |              |
| 22.  | <input checked="" type="checkbox"/> | Examination fee   |            |  |              |
| If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) .....   |                                     |   |            | \$100  |              |
| All other situations .....   |                                     |   |            | \$200  |              |
| 23.  | <input checked="" type="checkbox"/> | Search fee  |            |  |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....  |                                     |   |            | \$100  |              |
| International Search Report prepared and provided to the Office .....  |                                     |   |            | \$400  |              |
| All other situations .....   |                                     |   |            | \$500  |              |
| <b>TOTAL OF 21, 22 and 23 =</b>  |                                     |   |            | \$ 900.00                                    |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |                                     |   |            |  |              |
| Total Sheets   | Extra sheets                        | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE       |  |              |
| - 100 =  | /50 =                               |   | x \$250.00 | 0.00   |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).  |                                     |   |            | \$   |              |
| CLAIMS   | NUMBER FILED                        | NUMBER EXTRA  | RATE       |  |              |
| Total claims   | 12 - 20 =                           | 0   | x 50.00    | \$ 0.00                                      |              |
| Independent claims   | 2 - 3 =                             | 0   | x 200.00   | \$ 0.00                                      |              |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable)  |                                     |   |            | \$   |              |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |                                     |   |            | \$ 900.00                                    |              |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  |                                     |   |            | \$ 450.00                                    |              |
| <b>SUBTOTAL =</b>  |                                     |   |            | \$ 450.00                                    |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).   |                                     |   |            | \$   |              |
| <b>TOTAL NATIONAL FEE =</b>  |                                     |   |            | \$ 450.00                                    |              |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |                                     |   |            | \$   |              |
| <b>TOTAL FEES ENCLOSED =</b>   |                                     |   |            | \$ 450.00                                    |              |
|  |                                     |   |            | Amount to be refunded:                       | \$           |
|  |                                     |   |            | Amount to be charged:                        | \$           |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 450.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 23/2825 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23/2825. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Wolf, Greenfield &amp; Sacks, P.C.<br/>600 Atlantic Avenue<br/>Boston, Massachusetts 02210-2206<br/>Tel. (617) 646-8000</p> <p style="text-align:right;"> <br/>       SIGNATURE:<br/>       John R. Van Amsterdam<br/>       NAME<br/>       40,212<br/>       REGISTRATION NUMBER     </p> <p>CUSTOMER NUMBER: <b>23628</b></p> |                                     |   |            |  |              |